

16/9  
RECEIVED

AUG 01 2002

TECH CENTER 1600/2900



1600

#14

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/757,333D

DATE: 07/24/2002

TIME: 11:01:44

Input Set : A:\EP.txt

Output Set: N:\CRF3\07242002\I757333D.raw

ENTERED

1 <110> APPLICANT: Achilefu, Samuel I.  
 2 Rajagopalan, Raghavan  
 3 Dorshow, Richard B.  
 4 Bugaj, Joseph E.  
 6 Mallinckrodt Inc.  
 8 <120> TITLE OF INVENTION: Versatile Hydrophilic Dyes  
 10 <130> FILE REFERENCE: MRD-67  
 12 <140> CURRENT APPLICATION NUMBER: US 09/757,333D  
 13 <141> CURRENT FILING DATE: 2001-01-09  
 15 <150> PRIOR APPLICATION NUMBER: US 09/484,321  
 16 <151> PRIOR FILING DATE: 2000-01-18  
 18 <160> NUMBER OF SEQ ID NOS: 8  
 20 <170> SOFTWARE: Patent-In Version 3.1  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 8  
 24 <212> TYPE: PRT  
 25 <213> ORGANISM: Artificial Sequence  
 27 <220> FEATURE:  
 W--> 28 <221> NAME/KEY: MOD RES  
 29 <222> LOCATION: (1)...(8)  
 30 <223> OTHER INFORMATION: Xaa at location 1 represents D-Phe. Artificial sequence  
 31 is completely synthesized.  
 32 <223> OTHER INFORMATION: Xaa at locations 2 and 7 represents Cys with an  
 33 intramolecular disulfide bond between two Cys  
 34 amino acids. Artificial sequence is completely synthesized.  
 35 <223> OTHER INFORMATION: Xaa at location 4 represents D-Trp. Artificial sequence  
 36 is completely synthesized.  
 W--> 38 <400> 1  
 W--> 39 Xaa Xaa Tyr Xaa Lys Thr Xaa Thr  
 40 1 5  
 43 <210> SEQ ID NO: 2  
 44 <211> LENGTH: 8  
 45 <212> TYPE: PRT  
 46 <213> ORGANISM: Artificial Sequence  
 48 <220> FEATURE:  
 W--> 49 <221> NAME/KEY: MOD RES  
 50 <222> LOCATION: (1)...(8)  
 51 <223> OTHER INFORMATION: Xaa at location 1 represents D-Phe. Artificial sequence  
 52 is completely synthesized.  
 53 <223> OTHER INFORMATION: Xaa at locations 2 and 7 represents Cys with an  
 54 intramolecular disulfide bond between two Cys  
 55 amino acids. Artificial sequence is completely synthesized.  
 56 <223> OTHER INFORMATION: Xaa at location 4 represents D-Trp. Artificial sequence

## RAW SEQUENCE LISTING

DATE: 07/24/2002

PATENT APPLICATION: US/09/757,333D

TIME: 11:01:44

Input Set : A:\EP.txt

Output Set: N:\CRF3\07242002\I757333D.raw

```

57      is completely synthesized.
58 <223> OTHER INFORMATION: Xaa at location 8 represents Thr-OH. Artificial sequence
59      is completely synthesized.
W--> 61 <400> 2
W--> 62 Xaa Xaa Tyr Xaa Lys Thr Xaa Xaa
63      1          5
64 <210> SEQ ID NO: 3
65 <211> LENGTH: 11
66 <212> TYPE: PRT
67 <213> ORGANISM: Unknown
69 <220> FEATURE:
W--> 70 <221> NAME/KEY: MOD RES
71 <222> LOCATION: (1)...(11)
72 <223> OTHER INFORMATION: Bombesin analog
74 <400> SEQUENCE: 3
75 Gly Ser Gly Gln Trp Ala Val Gly His Leu Met
76      1          5          10
79 <210> SEQ ID NO: 4
80 <211> LENGTH: 11
81 <212> TYPE: PRT
82 <213> ORGANISM: Unknown
84 <220> FEATURE:
W--> 85 <221> NAME/KEY: MOD RES
86 <222> LOCATION: (1)...(11)
87 <223> OTHER INFORMATION: Bombesin analog
89 <400> SEQUENCE: 4
90 Gly Asp Gly Gln Trp Ala Val Gly His Leu Met
91      1          5          10
94 <210> SEQ ID NO: 5
95 <211> LENGTH: 8
96 <212> TYPE: PRT
97 <213> ORGANISM: Unknown
99 <220> FEATURE:
W--> 100 <221> NAME/KEY: MOD RES
101 <222> LOCATION: (1)...(8)
102 <223> OTHER INFORMATION: Cholecystokinin octapeptide analogs
104 <400> SEQUENCE: 5
105 Asp Tyr Met Gly Trp Met Asp Phe
106      1          5
109 <210> SEQ ID NO: 6
110 <211> LENGTH: 8
111 <212> TYPE: PRT
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
W--> 115 <221> NAME/KEY: MOD RES
116 <222> LOCATION: (1)...(6)
117 <223> OTHER INFORMATION: Xaa at locations 3 and 6 represents Norleucine. Artificial
118      sequence is completely synthesized.
120 <400> SEQUENCE: 6

```

## RAW SEQUENCE LISTING

DATE: 07/24/2002

PATENT APPLICATION: US/09/757,333D

TIME: 11:01:44

Input Set : A:\EP.txt

Output Set: N:\CRF3\07242002\I757333D.raw

W--> 121 Asp Tyr Xaa Gly Trp Xaa Asp Phe  
 122 1 5  
 125 <210> SEQ ID NO: 7  
 126 <211> LENGTH: 8  
 127 <212> TYPE: PRT  
 128 <213> ORGANISM: Artificial Sequence  
 130 <220> FEATURE:  
 W--> 131 <221> NAME/KEY: MOD RES  
 132 <222> LOCATION: (1)...(8)  
 133 <223> OTHER INFORMATION: Xaa at location 1 represents D-Asp. Artificial sequence  
 134 is completely synthesized.  
 135 <223> OTHER INFORMATION: Xaa at locations 3 and 6 represents Norleucine.  
 136 Artificial sequence is completely synthesized.  
 W--> 138 <400> 7  
 W--> 139 Xaa Tyr Xaa Gly Trp Xaa Asp Phe  
 140 1 5  
 143 <210> SEQ ID NO: 8  
 144 <211> LENGTH: 8  
 145 <212> TYPE: PRT  
 146 <213> ORGANISM: Artificial Sequence  
 148 <220> FEATURE:  
 W--> 149 <221> NAME/KEY: MOD RES  
 150 <222> LOCATION: (1)...(8)  
 151 <223> OTHER INFORMATION: Xaa at location 1 represents D-Lys. Artificial sequence  
 152 is completely synthesized.  
 154 <400> SEQUENCE: 8  
 W--> 155 Xaa Pro Arg Arg Pro Tyr Ile Leu  
 156 1 5

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/757,333D

DATE: 07/24/2002  
TIME: 11:01:46

Input Set : A:\EP.txt  
Output Set: N:\CRF3\07242002\I757333D.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,4,7 /  
Seq#:2; Xaa Pos. 1,2,4,7,8 /  
Seq#:6; Xaa Pos. 3,6 /  
Seq#:7; Xaa Pos. 1,3,6 /  
Seq#:8; Xaa Pos. 1 /

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:6; Line(s) 117